Research Assistant CREST – Prof. Francis Kramarz, ERC FIRMNET

Job Details
Starting date: August/September 2019
Location: Palaiseau, France
One-year (11 to 12 months) fixed term contract, full-time, gross salary of 2.139, 18€/month

About CREST
CREST is a joint research center gathering the faculty members of ENSAE and Ecole Polytechnique, Economics Department. Members conduct research in Economics, Finance, Statistics and Sociology. It is located on the campus of Ecole Polytechnique, in Palaiseau, 20km South of Paris.

Job Description
The research assistant (RA) will support Professor Francis Kramarz (Director of CREST) on the FIRMNET project funded by the European Research Council, related to firm networks in a globalized environment. The research focuses on how business networks help firms to be resilient in the face of shocks. The RA will mainly work on two components:

1) The first is concerned with the analysis of European buyer-seller relations within international trade networks, evaluating the transmission of exogenous shocks and their effect on workers' and firms' outcomes in France over a period of 15 years. The RA will be required to work with large firm-level datasets provided by the French administration (DADS, FICUS/FARE, Customs Data), performing a diverse set of empirical tasks using Stata and SAS. This may include data cleaning, running consistency checks, merging data sets, preparing data for analysis, programming algorithms for identification, running regression analyses etc.
2) The second component aims at developing a general equilibrium model of international trade with heterogeneous firms. The RA will assist in writing a program for the estimation of structural parameters of the model based on the simulated method of moments, using Stata and Matlab. This part of the project is in collaboration with professors at Pennsylvania State University and Yale University.

Under the close supervision of the principal investigator, the RA will hence conduct different research-related tasks all along the research process, assisting in the preparation and revision of academic papers being submitted to journals. Since data access is confidential and therefore on-site, the research assistant is required to come to the institute most days, although more flexible arrangements such as home office and part-time work can be agreed upon if needed.

Further, the RA will be fully integrated within the group of PhD students at CREST with the possibility to participate in weekly research seminars and take classes of the PhD program (conditional on the approval of his/her supervisor). The position is ideal for Master students who would like to gather research experience before starting their PhD. In particular, previous RAs have gone on to pursue their doctoral studies at CREST or within competitive PhD programs abroad.

What we are looking for
- Master's degree candidate in economics, statistics or related discipline
- Long-term interest in economic research
- Experience working with large (administrative) data sets is an asset
- Proficiency in Stata and the ability to use other statistical software packages (e.g. SAS, R, Matlab) is strongly preferred
- Coursework in econometrics, labor economics and international economics would be advantageous but is not necessary
- Excellent oral and written communication skills in English, French is not necessary

Application
If you are interested, please apply online by sending the following documents to sophie.nottmeyer@ensae.fr until **April 21, 2019**:

- Short description of your interest in and qualifications for the position
- CV
- Transcripts (unofficial) of your Master's degree

For further information, you may also address questions about the position to current and previous RAs: sophie.nottmeyer@ensae.fr (current), etienne.guigue@ensae.fr (2017/2018), berengere.patault@ensae.fr (2016, now PhD student at CREST).